Note:

You are given script of relations in database as follows:
EMP (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
DEPT (DEPTNO, DNAME, LOC)
SALGRADE (GRADE, LOSAL, HISAL)

Instructions:

- **Cheating will not be tolerated. If found straight zero will be given and case will be forwarded to DC.**
- **Write queries on word file & take screen shot of every query's result and paste it in word file.**
- **Create table and enter data in table by running queries in oracle.**
- **Queries to create table and enter data is in attached file.**
- **Write queries without symbols.**

Solve following Questions.

1. Give names of employees as "Employee Names", department names as "Department Names", salary as "Employee Salary", commission as "Commission", grade of all those employees as "Employee Grades" whose managers matches with those managers of employee number 7521 and whose salary is less than the salary of employee having job PRESIDENT, also place 0 where commission values are NULL.

2. Show the two highest (first highest and second highest) and two lowest (first lowest and second lowest) salary.

3. Display salary in terms of „$" where each $ represents Rs.100.

4. Using outer join show employee name, department name and department id.

5. Show Cartesian product of table employee and department.

6. 4th Letter" of all employees who have department number greater than 10.
7. Run the following commands and understand their working. Ask us in case of help.
   - ROUND (SYSDATE, 'MONTH)
   - ROUND (SYSDATE, 'YEAR')
   - TRUNC (SYSDATE, 'MONTH')
   - TRUNC (SYSDATE, 'YEAR')
   - ROUND (194.382 , 2)
   - ROUND (194.382 , -2)
   - TRUNC (194.382 , 2)
   - TRUNC (194.382 , -2)

8. **Use case expression**

Give employee number as "Employee Names", job as "Employee Job", manager as "Supervised Manager", location as "Department Location", department number as "Department Number" and incremented salary as "Incremented Salary" with these conditions:
- If the employee is working as 'CLERK', add 20% to salary.
- If the employee is working as 'SALESMAN', add 30% to salary.
- If the employee is working as 'MANAGER', add 60% to salary.
- If the employee is working as 'ANALYST', add 40% to salary.
- If the employee is working as 'PRESIDENT', add 90% to salary.

9. **Use decode expression**

Give employee number as "Employee Names", job as "Employee Job", manager as "Supervised Manager", location as "Department Location", department number as "Department Number" and incremented salary as "Incremented Salary" with these conditions:
- If the employee is working as 'CLERK', add 20% to salary.
- If the employee is working as 'SALESMAN', add 30% to salary.
- If the employee is working as 'MANAGER', add 60% to salary.
- If the employee is working as 'ANALYST', add 40% to salary.
- If the employee is working as 'PRESIDENT', add 90% to salary.

10. Display the employee information including Name, Employee No., Job, Department No., Hire Date, Yearly Salary, And Bonus (15 % per year) for those employees Who were hired before 29th of September 1981. And should have 'a' or 'e' in their names of either case. And whose commission should range from 100 – 1000. And they should have job except Manager or Clerk. And either they do not have a manager of their department number should not be 20. Employees should be shown in decreasing order of hiring. And their Names should be displayed in alphabetical order.

BEST OF LUCK!